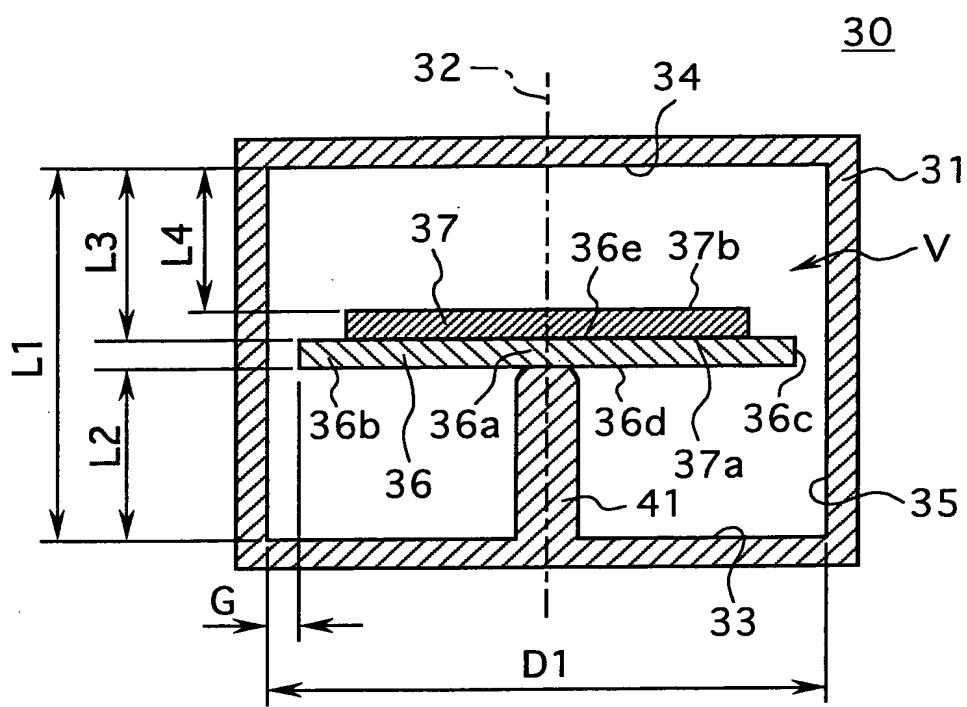
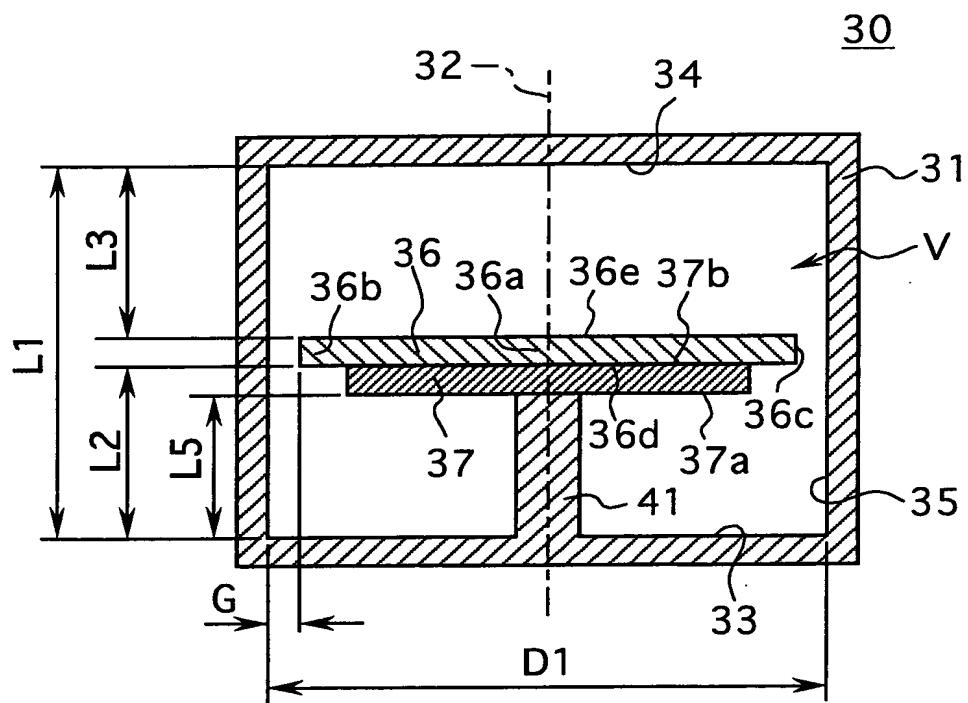


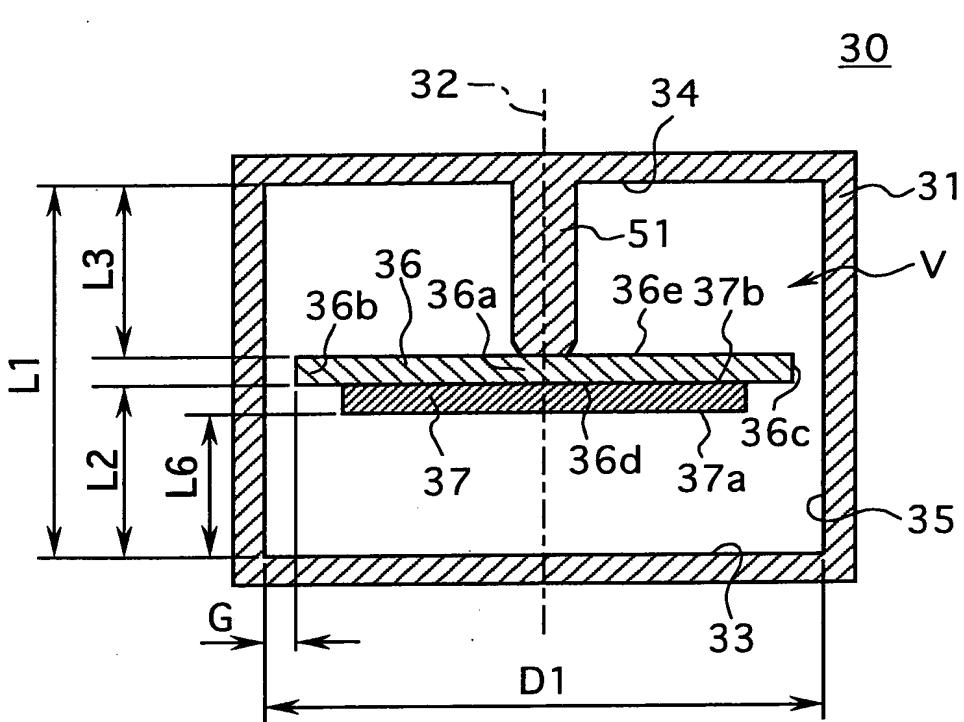
F I G. 1



F I G. 2

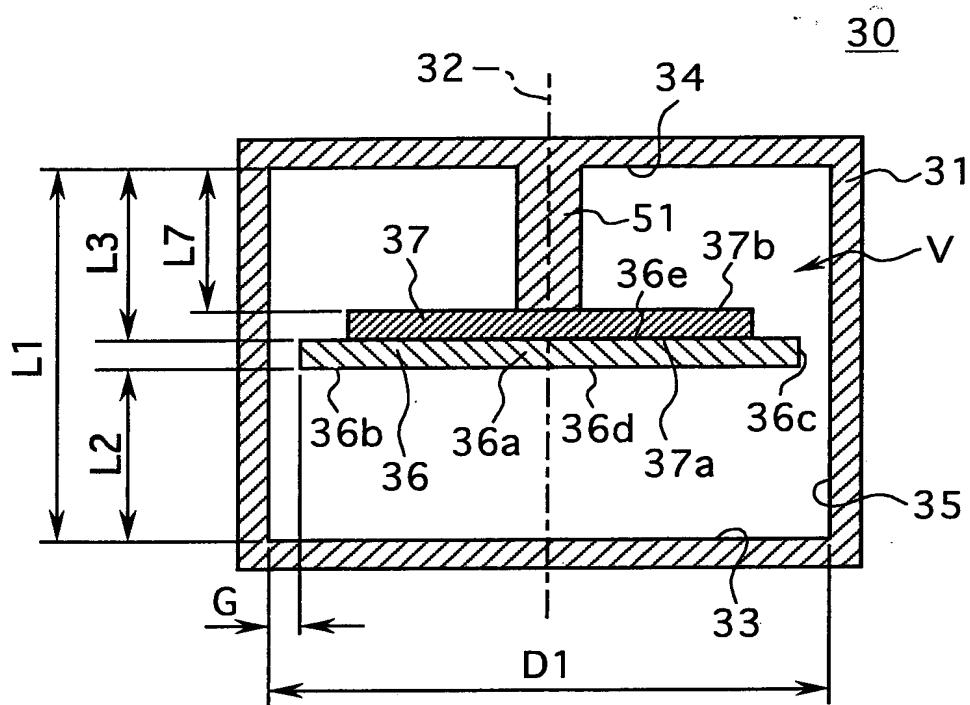


F I G. 3

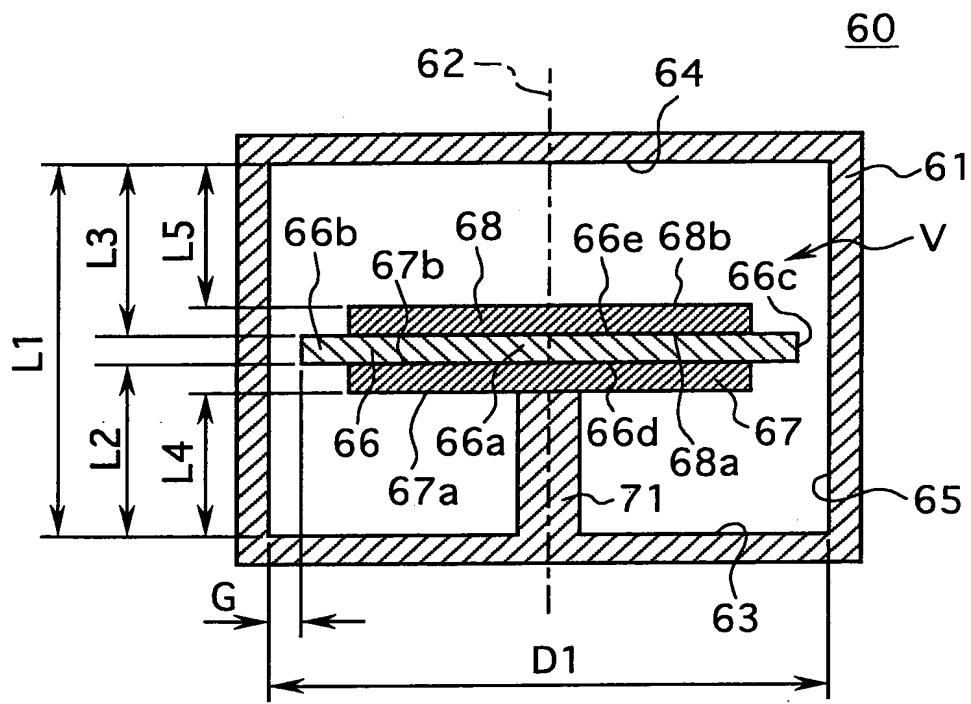


F I G. 4

FIGURE 4
U.S. PATENT AND TRADEMARK OFFICE



F I G. 5



F I G. 6

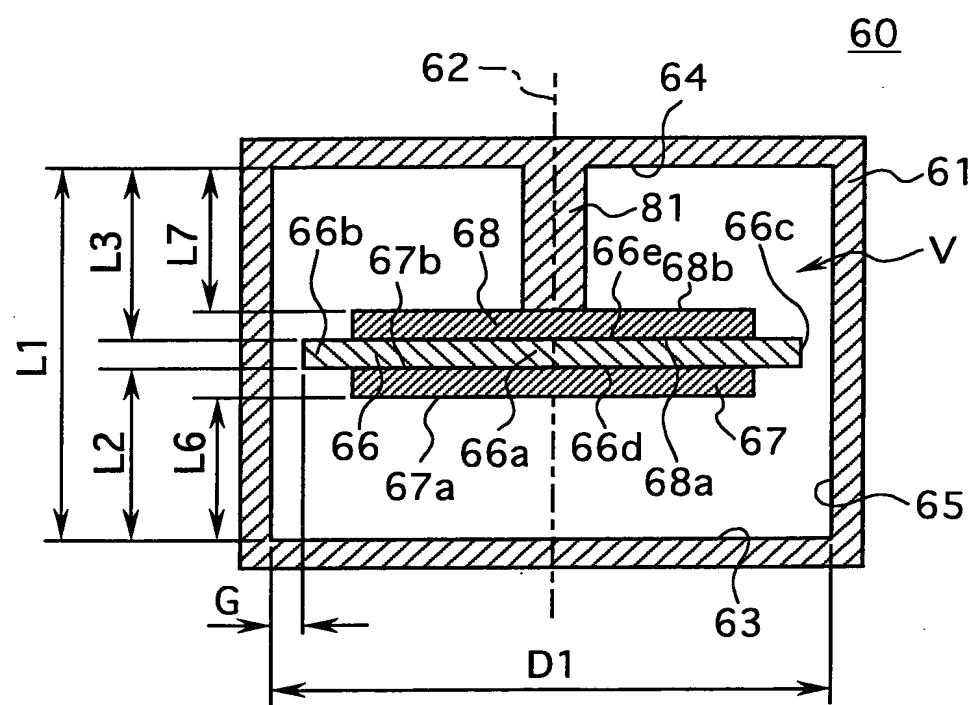
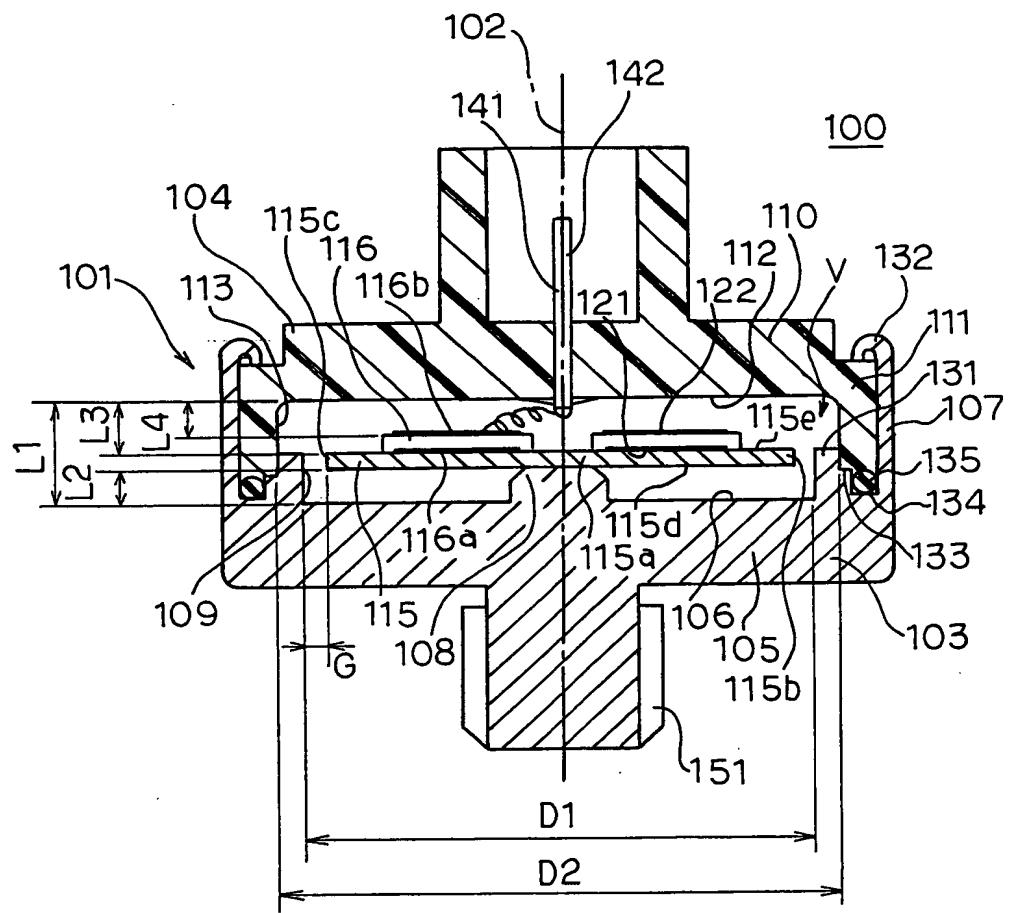


FIG. 7



F I G. 8

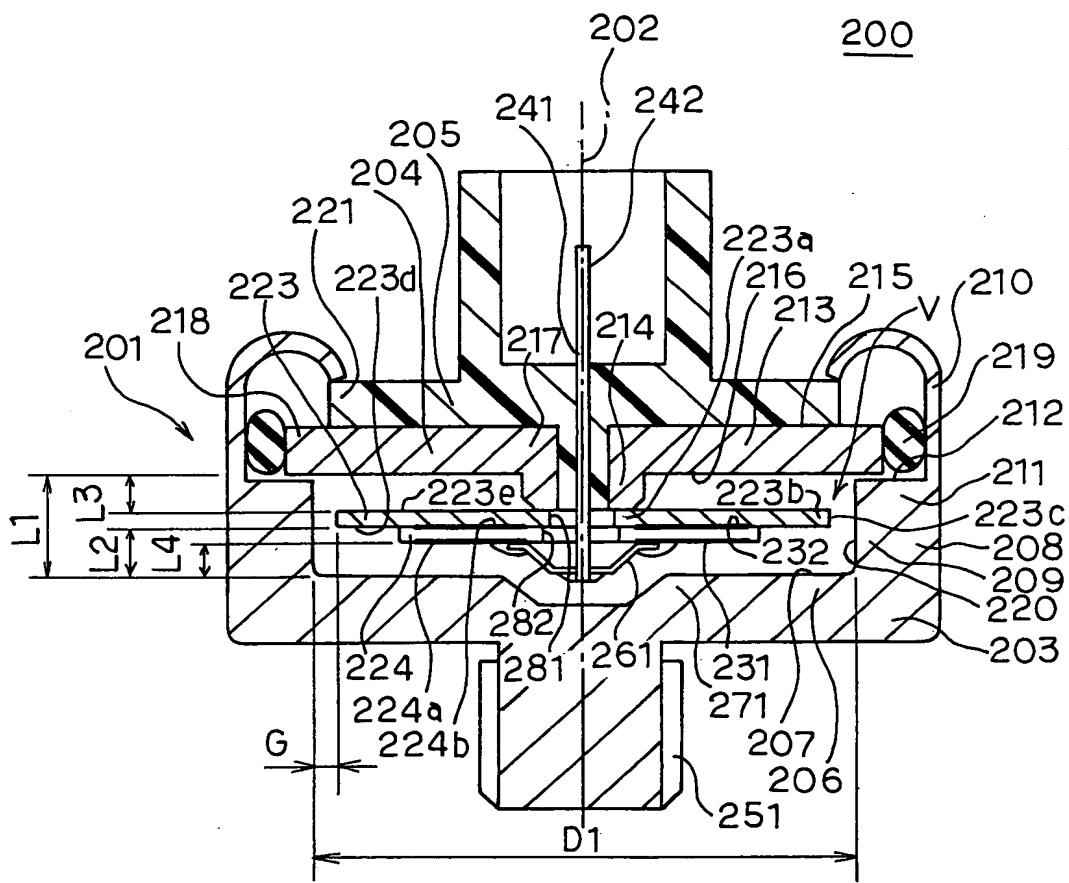
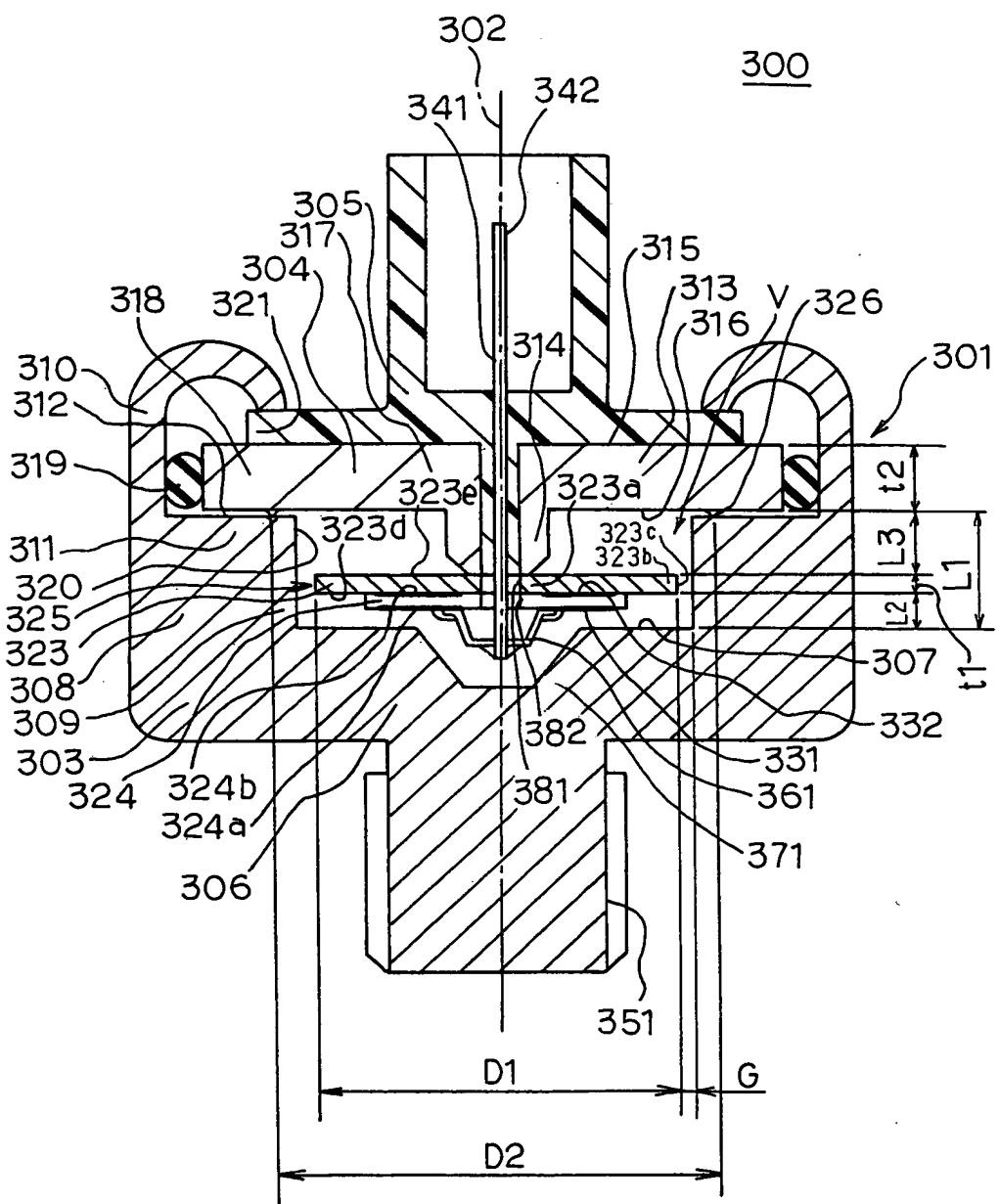
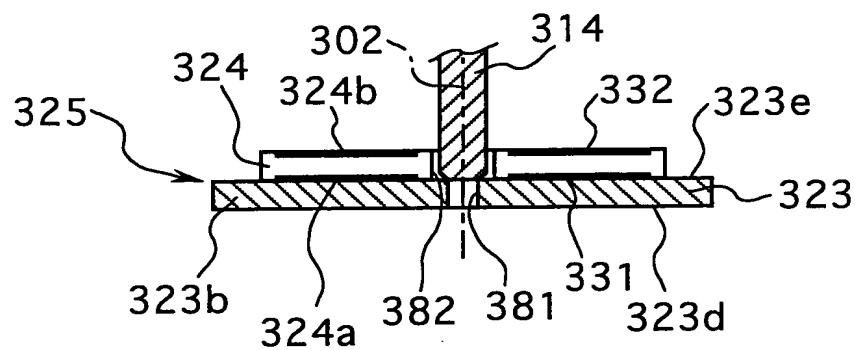


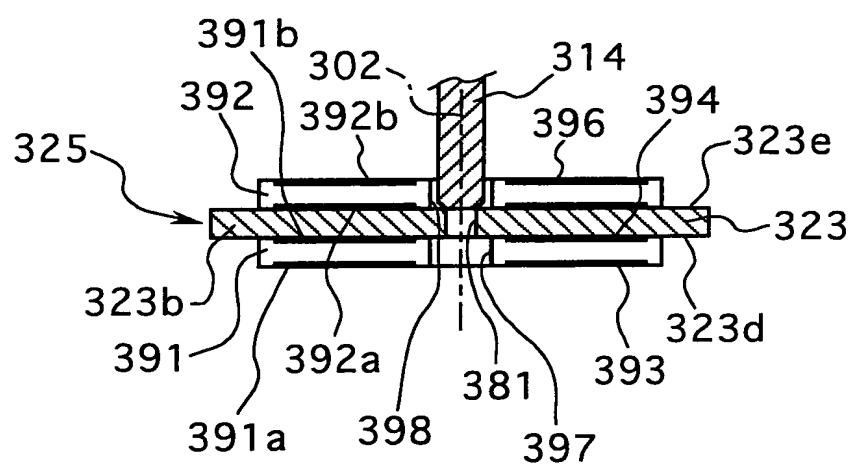
FIG. 9



F I G. 1 0

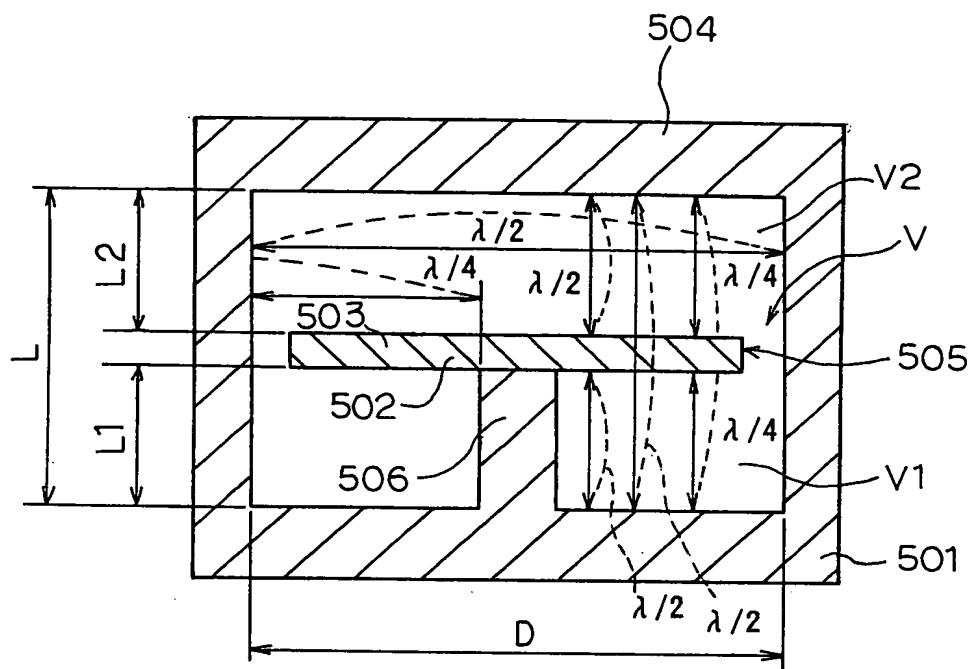


F I G. 11

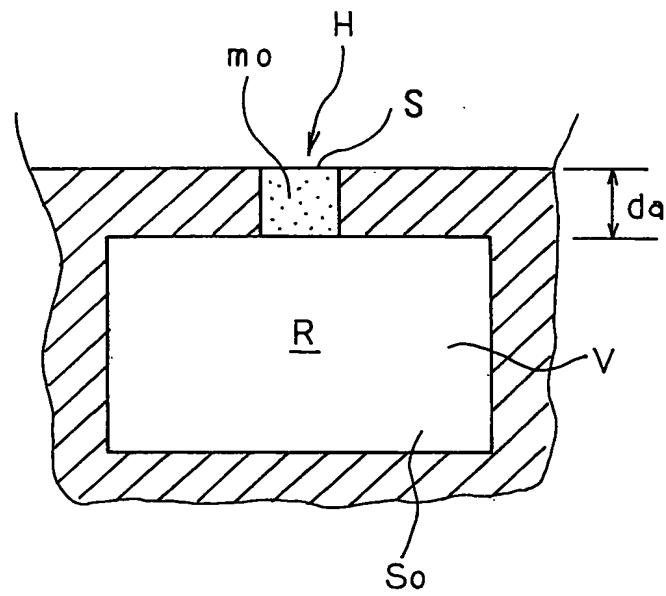


F I G. 12

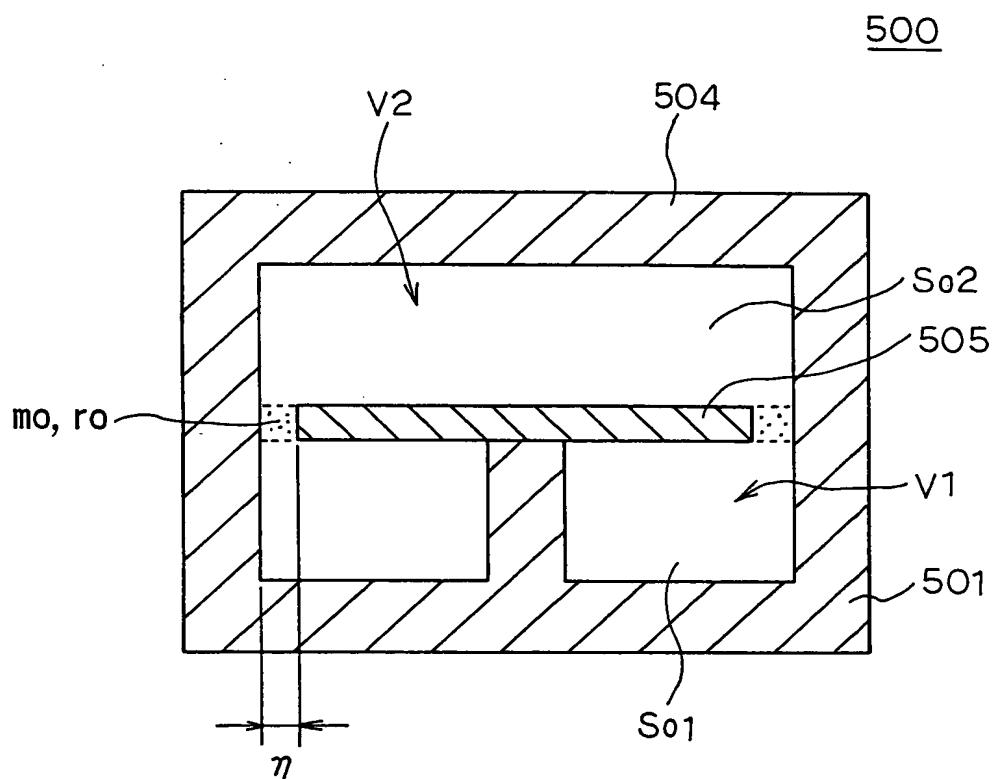
500



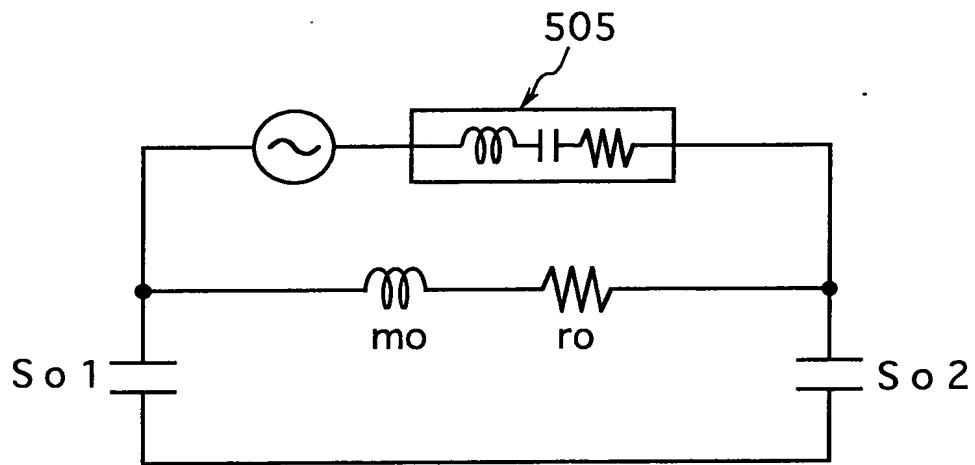
F I G. 1 3



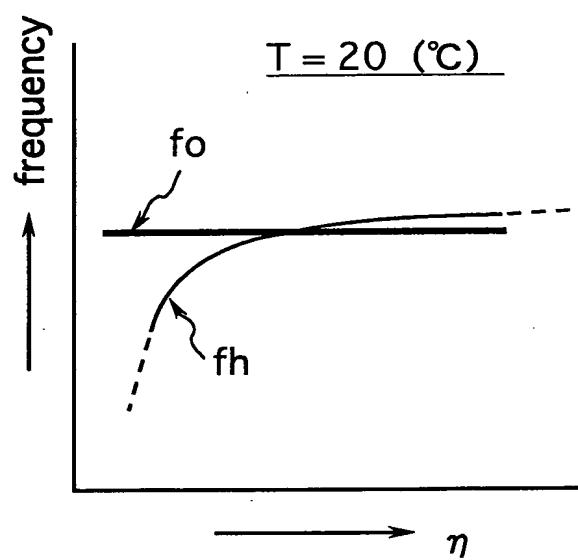
F I G. 1 4



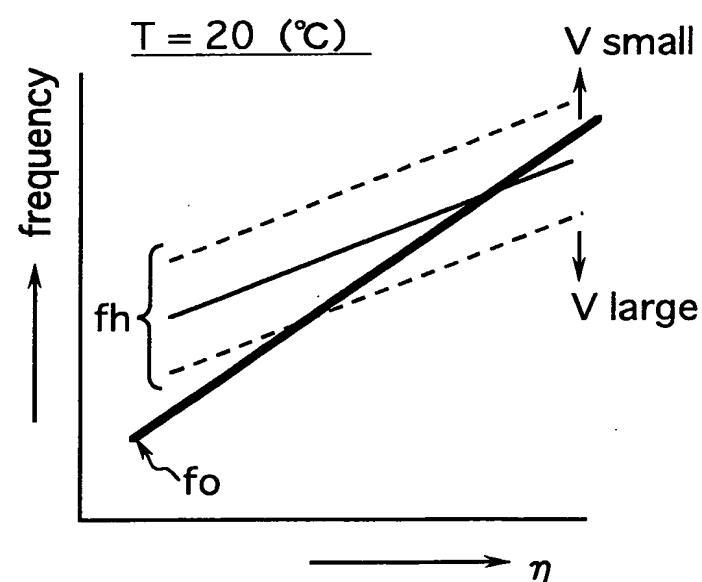
F I G. 15



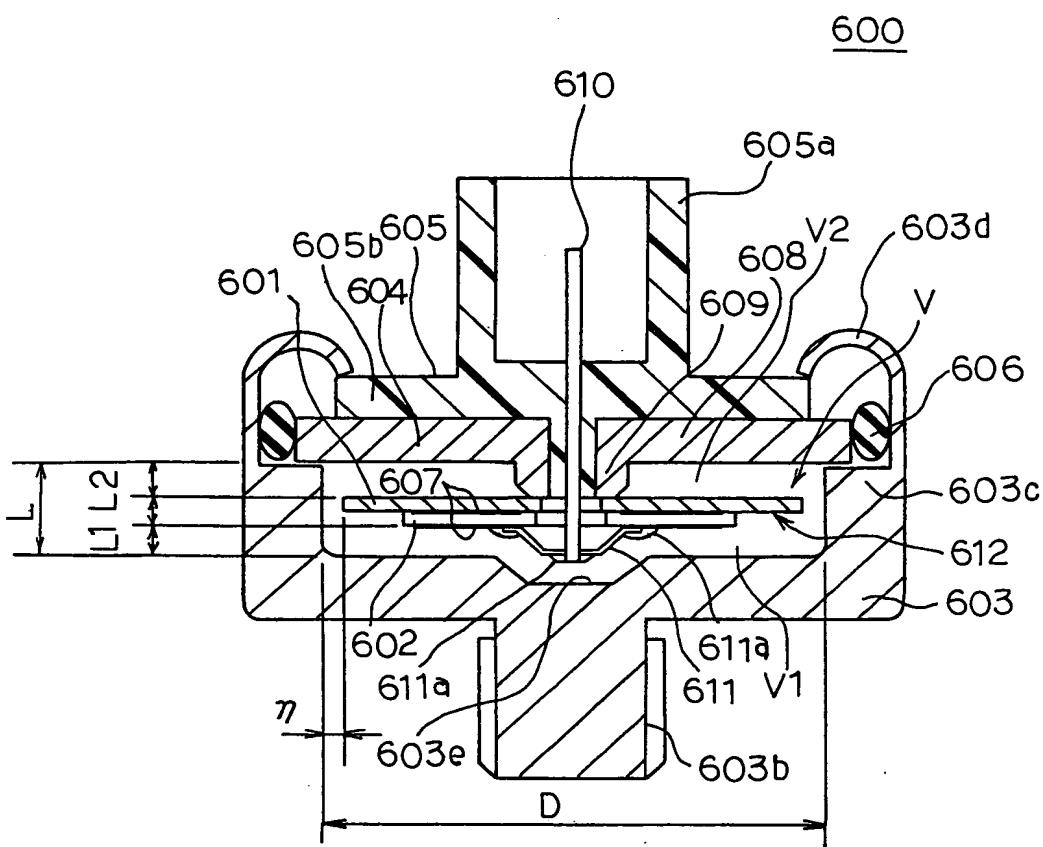
F I G. 1 6



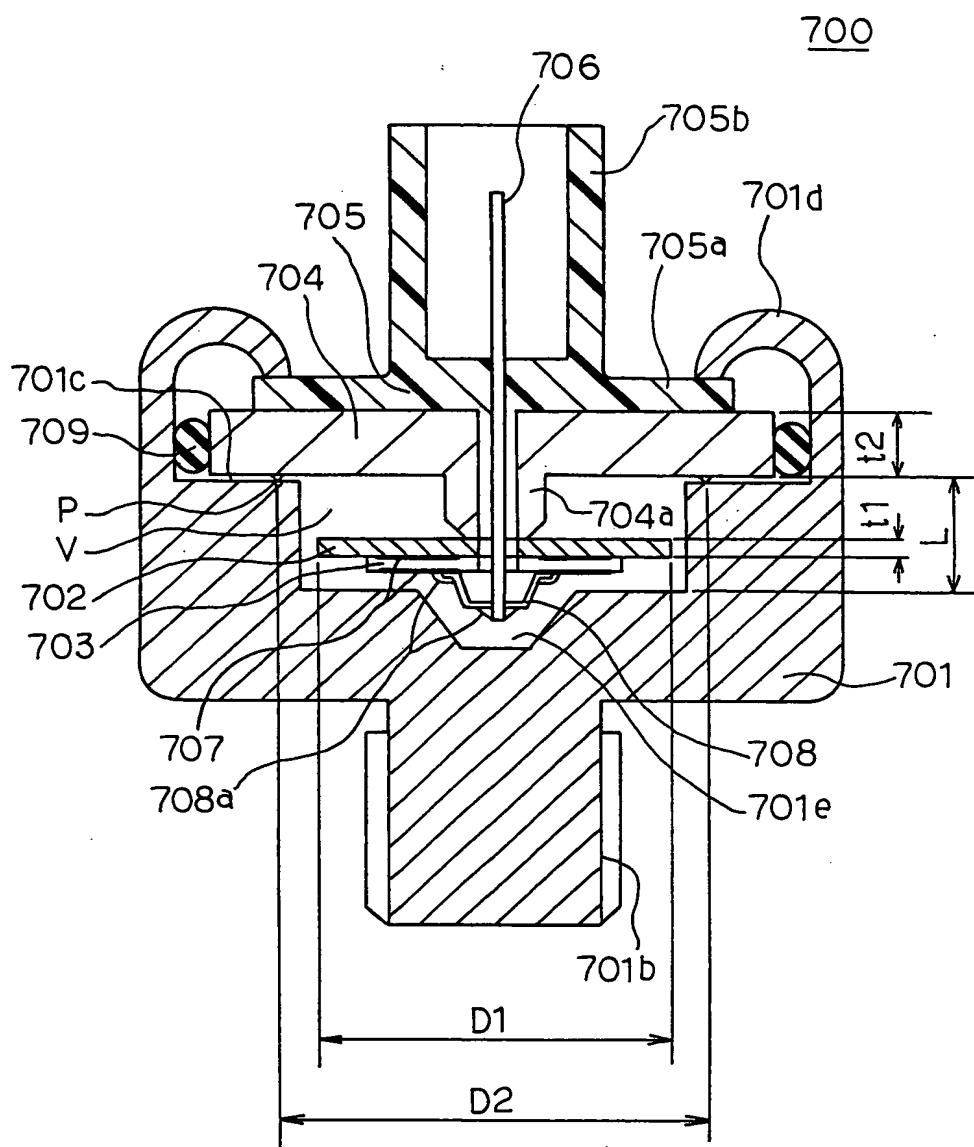
F I G. 17



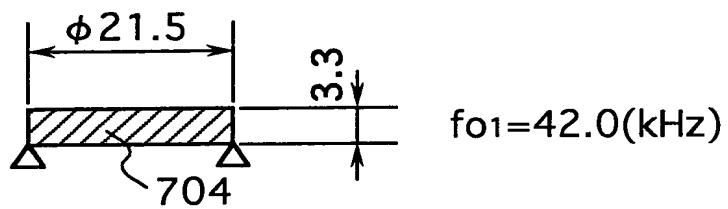
F I G. 18



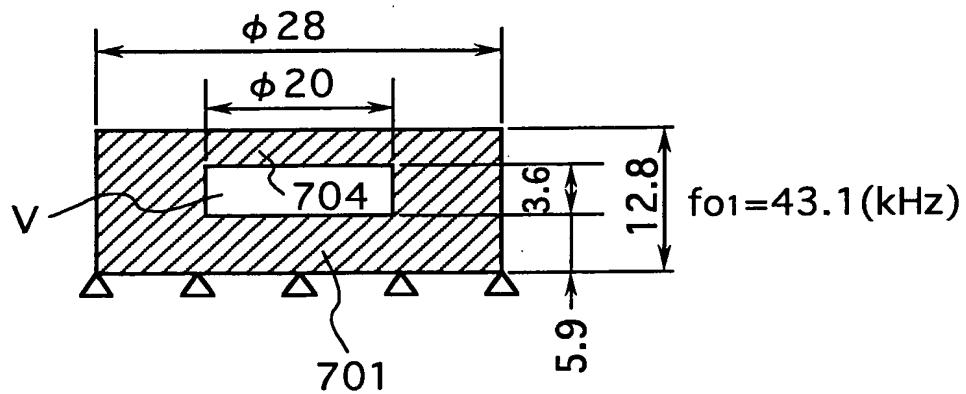
F I G. 1 9



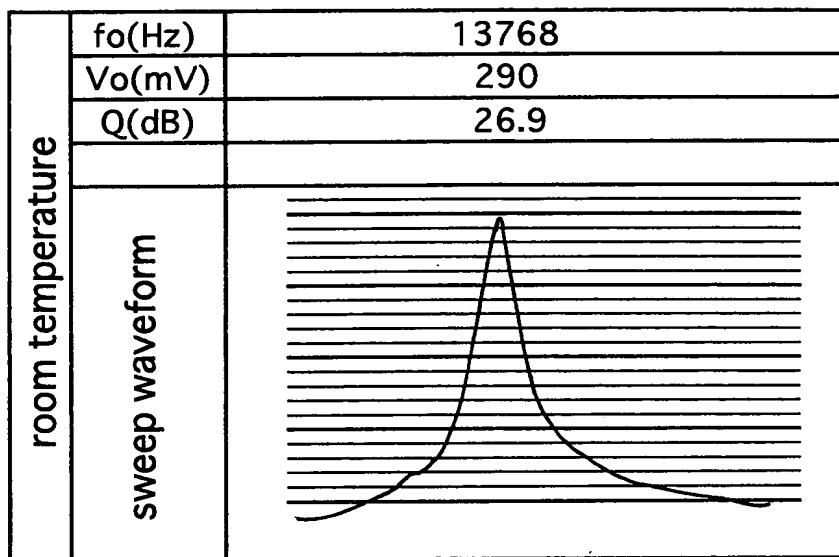
F I G. 20 A



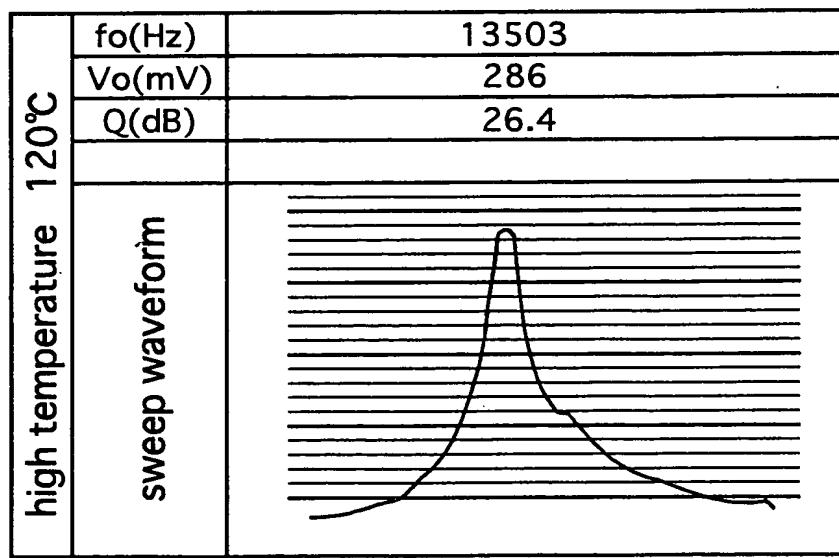
F I G. 20 B



F I G. 21 A



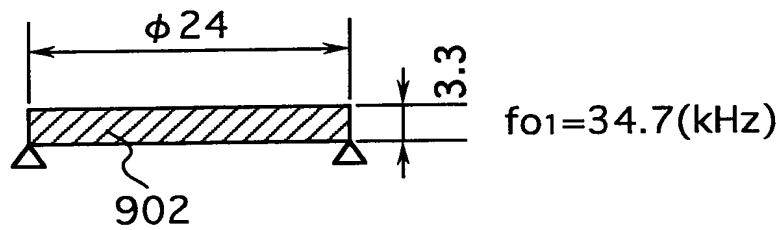
F I G. 21 B



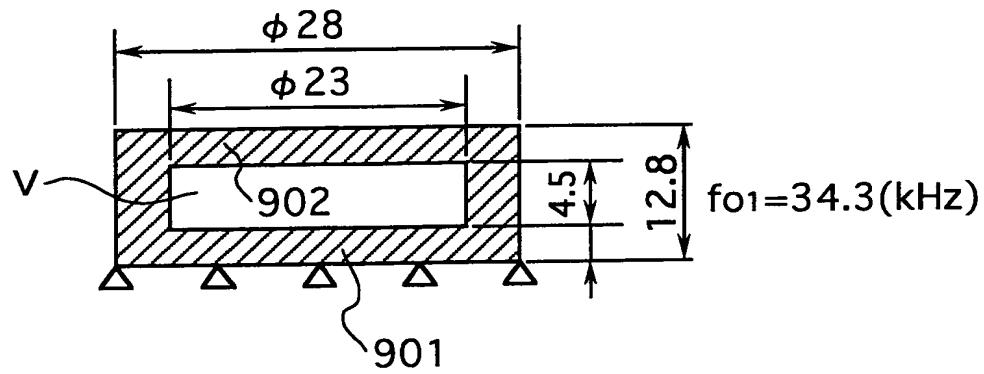
F I G. 2 2

D2 \ D1	$\phi 18.4$	$\phi 16.9$
$\phi 24$	1.30	1.42
	○	×
$\phi 21.5$	1.17	1.27
	○	○

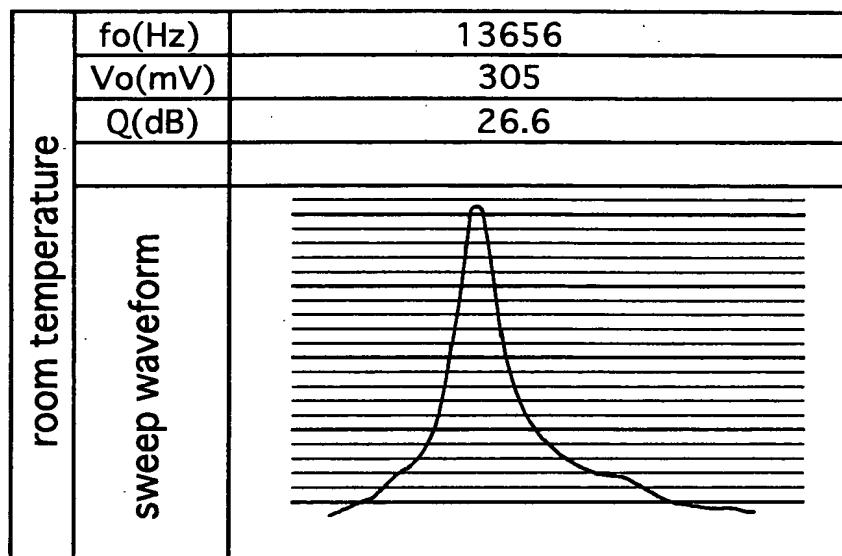
F I G. 23 A
P R I O R A R T



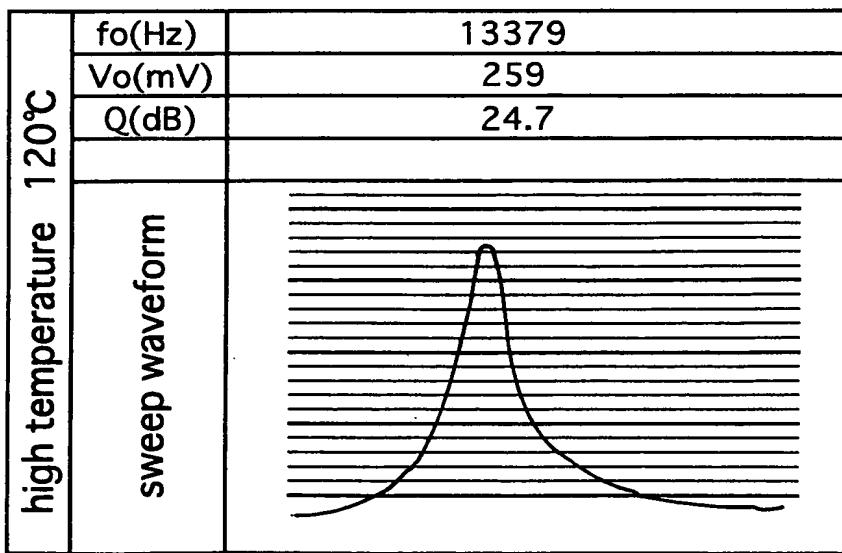
F I G. 23 B
P R I O R A R T



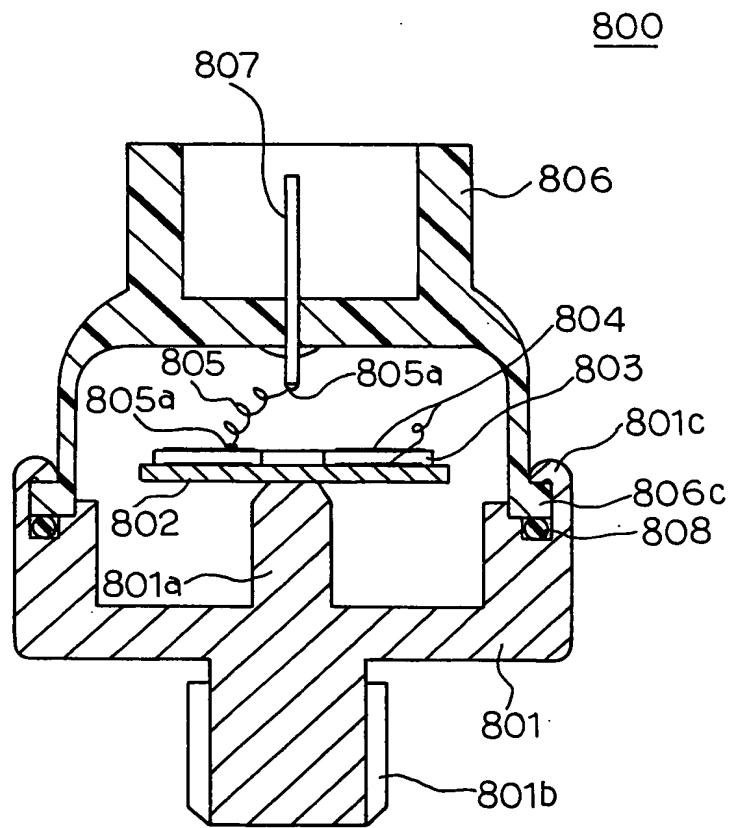
F I G. 24 A
P R I O R A R T



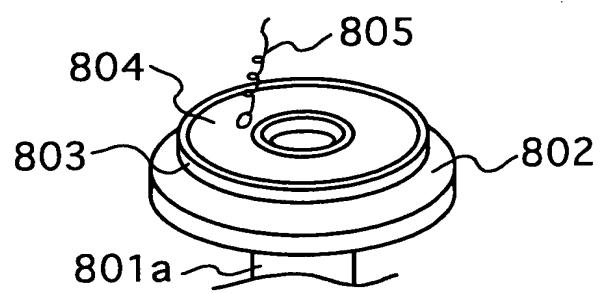
F I G. 24 B
P R I O R A R T



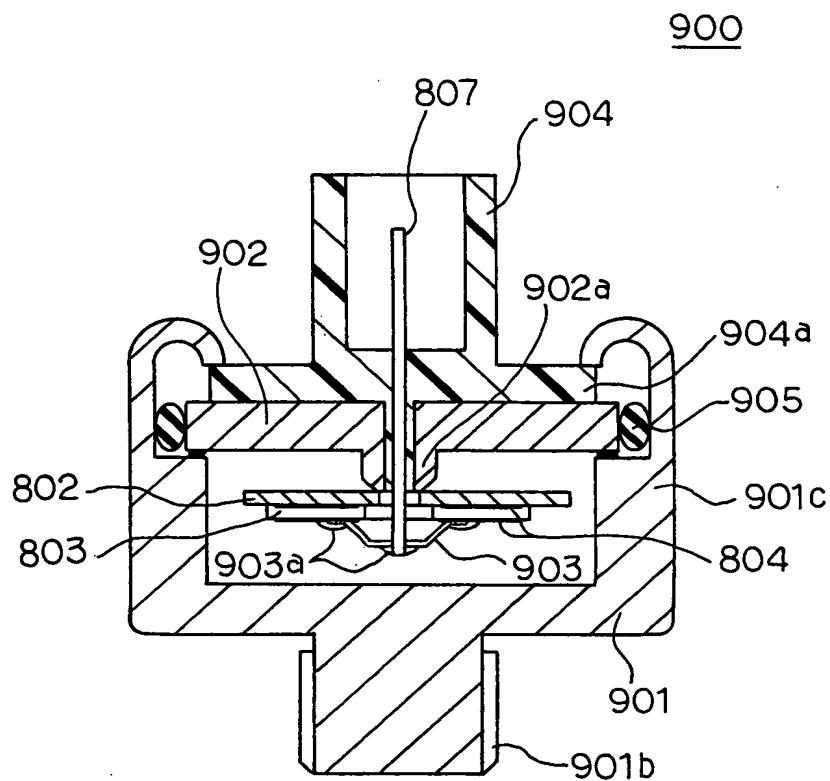
F I G. 25
P R I O R A R T



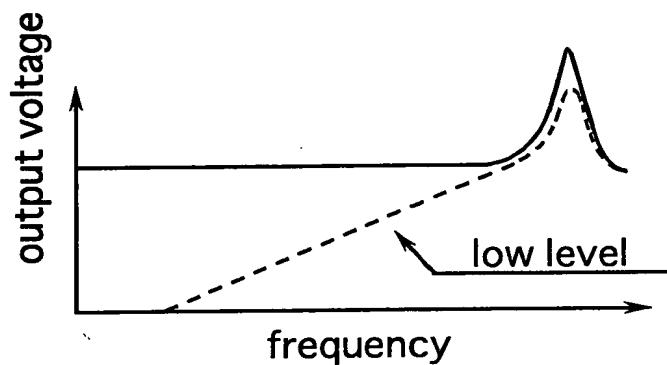
F I G. 26
P R I O R A R T



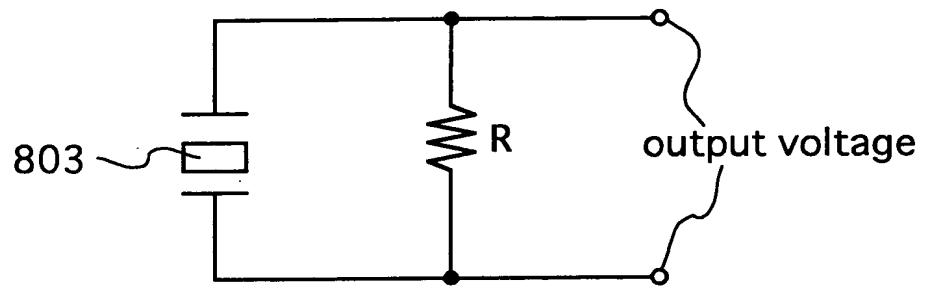
F I G . 2 7
P R I O R A R T



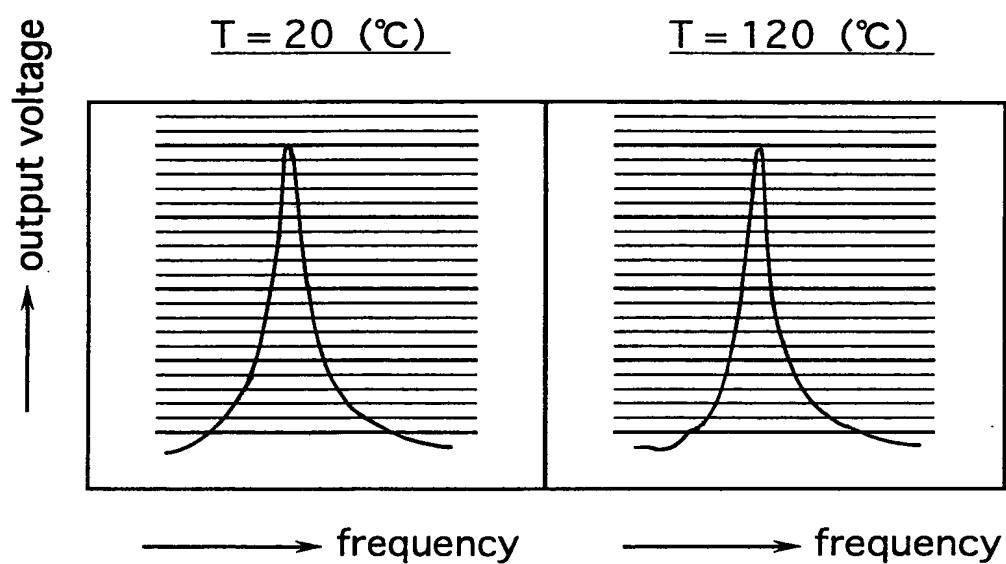
F I G. 28
P R I O R A R T



F I G. 29
P R I O R A R T



F I G. 30
P R I O R A R T



F I G. 31
P R I O R A R T

